AP

AP CONTENT API 2.8

Developer's Guide

October 29, 2014

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INTRODUCTION

ABOUT THIS GUIDE

Audience

This guide is intended for software engineers who develop applications that access AP Images and AP Video-US content through application programming interfaces (APIs).

Searching This Guide

To search this guide, choose **Edit → Find** in Adobe Acrobat.

Conventions

– In request syntax, variable names are shown in braces { }. Optional parameters are shown in brackets [ ]. Do not type the braces and brackets in the request.

– In response descriptions, attributes are indicated by an *at* sign (@).

– In response examples, an ellipsis (...) indicates information that is omitted for brevity.

RELATED DOCUMENTS AND RESOURCES

FAQs and Troubleshooting

AP Content API FAQs are available at http://customersupport.ap.org/api/Help/index.htm. They provide an introduction to the API, reference all available documentation and resources, and offer troubleshooting information for frequently encountered issues.

Testing Live API Calls with API Console

The API Console, an interactive quick reference that lists the API calls and parameters and allows for testing live API calls is available at https://developer.ap.org/api-console.

Code Examples

To get started with AP Content API development, you can follow sample code (for example, in C#, Java, PHP, Python and PowerShell) at https://github.com/TheAssociatedPress/APISamples.

CONTACTING SUPPORT

For technical help, contact AP Customer Support:

– Phone: **877-836-9477** (U.S. toll-free number) or **212-621-7361** (from outside of the U.S.)

– E-mail: APCustomerSupport@ap.org

– Website: http://customersupport.ap.org

To comment on the documentation, send an e-mail message to documentation@ap.org.

ABOUT AP CONTENT API

The AP Content API allows you to search and download content using your own editorial tools, without having to visit AP portals, such as apimages.com.
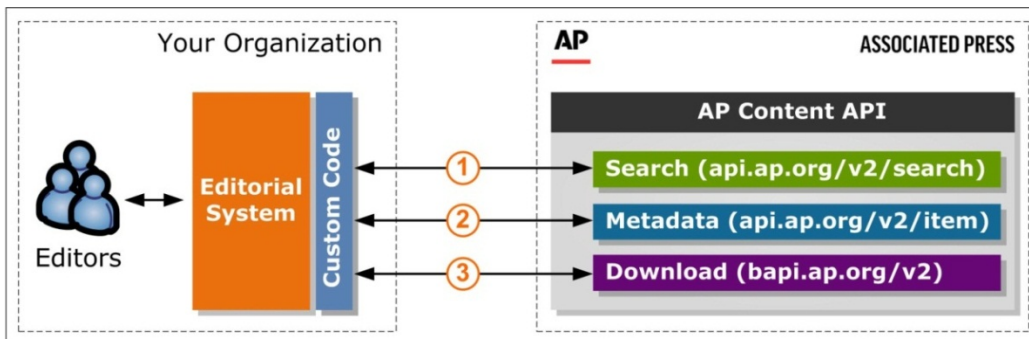
AP Images

With millions of images dating back more than 100 years, AP Images is one of the world's largest collections of historical and contemporary imagery. The AP Images collection is constantly updated and includes entertainment, fashion, news and sports coverage from The Associated Press and a variety of content partners. The API provides access to AP-owned, member-owned and third-party images, including the full AP Images archive and the GraphicsBank collection.

AP Video-US

AP Video-US offers U.S. broadcasters access to a daily selection of top news and features from the U.S. and around the world. Videos cover regional, national, international, entertainment and investigative news along with various lifestyle topics. The API provides access to videos from the last ten days.

Typical Workflow Overview

Work with your own editorial system. Your editors search and download AP Images or AP Video-US content using your own editorial tools:

① **Run a search**. When an editor performs a search in your editorial system, your custom program searches the AP Images or AP Video-US collection and displays search results along with key metadata.

② **Pick a particular result**. When an editor selects a search result, your custom program retrieves full content metadata from the AP Content API system.

③ **Download an image or video**. When an editor wants to download an image or video file, your custom program downloads the requested content file from the AP Content API system.

API Keys

An API key is the access key required for making API calls. If you have not received your API key, please contact Customer Support.

Supported Protocol

HTTPS 1.1 is supported for all API calls.

Client Implementation Requirement

The implementation of your client application must allow new data elements and attributes to be added by AP by ignoring any markup that it does not recognize.

Recommended Practice

It is recommended that your client application download content item renditions or retrieve full metadata using the links returned in search results instead of constructing those links.

> **Note**: This practice is also beneficial since the links returned in search results may contain additional optional parameters used for performance or troubleshooting.

WHAT'S NEW IN THIS RELEASE

Resolved Issue (not applicable to GraphicsBank)

Search results now include the editorial priority of the content (the <category scheme=http://cv.ap.org/urgency/> element in XML and the 'urgency' property in JSON).

Known Issue (not applicable to GraphicsBank)

Searches by transref (http://api.ap.org/v2/search/photo?transref=EPNY01&arrivalDate=2013-10-08) may return no results. The arrivalDate parameter in the search request by transref erroneously searches the content item's <published> date instead of its <updated> date. If the item's <updated> and <published> dates are the same, the item is returned in search results; however, if these dates are different, the item is not found by transref, and no results are returned.

PREVIEW ENVIRONMENT

The AP Content API preview environment allows you to test new features and changes prior to the general release to ensure that they are properly handled by your client application. While these upgrades do not require any modifications to your client application, AP strongly recommends testing the changes in the preview environment before they become available in your production systems.

- **Preview Server URL**: https://apipreview.ap.org.
- **Preview Key**. A separate key is required for accessing the preview environment. To request the preview key, please contact your AP Sales representative.
- **Restricted Downloads**. Intended as a testing platform, the preview environment provides restricted download access compared to the production environment. The main renditions of a content item (for example, high-resolution images) are not available for download in the preview environment.

SEARCH

SEARCH METHOD

Description

Searches AP Images or AP Video-US content using the specified search criteria.

Request

METHOD	REQUEST URI
GET	`https://api.ap.org/{version}/search[/{mediaType}]?apiKey={apiKey}[{Optional SearchParameters}]` ⚠️ **Important**: The request URI must be URL-encoded.

Request URI Parameters

Required Base URI Parameter

PARAMETER	DESCRIPTION	VALID VALUE
version	The API version. Currently, the only valid value is `v2`.	v2

Optional Base URI Parameter

PARAMETER	DESCRIPTION	EXAMPLE
mediaType	The content media type. Valid values are: – photo (this is the default for AP Images, including all GraphicsBank content) – graphic – video	video

Optional Search Parameters

🔍 **Note**: An implied AND operator is used between the parameters.

PARAMETER	DESCRIPTION	EXAMPLE
q	The query expression. Parameters marked by a dagger ("†") in this table can also be used as part of the query expression along with additional metadata fields. For more information, see "Supported Search Syntax" on page 19.	Sarah+Jessica+Parker Tom+Cruise&creationDate%3E2008
contentSet	The AP Images content set to be searched. Valid options are: – editorial: **Editorial images.** – creativeRM: **Creative rights-managed images.** – creativeRF: **Creative royalty-free images.** – GraphicsBank: **All GraphicsBank content.** – GraphicsBank_Graphic: **Graphics content from GraphicsBank.** – GraphicsBank_Photo: **Photo content from GraphicsBank.** – all: **All available content sets (this is the default).**	editorial GraphicsBank

PARAMETER	DESCRIPTION	EXAMPLE
source[†]	One or more content creators. Multiple sources must be separated by commas (an implied OR operator is used between the sources).	AP,Image+Source
locations[†]	A geographic location in the AP Geography vocabulary. The list of AP Geography locations is available at https://developer.ap.org/sites/default/files/APGeography.xls. **Note:** Either the full name or the abbreviation of a US state or Canadian province may be specified.	San+Francisco+CA California CA Spain
person[†]	The name of a person who is featured in the content item. Multiple names must be separated by commas (an implied OR operator is used between the names). This parameter may be used more than once in the URI to specify multiple names that are connected by an implied AND operator. This field is not applicable to video.	Tom+Cruise,Katie+Holmes
photographer[†]	The photographer's first and/or last name. This field is not applicable to video or GraphicsBank.	Evan+Agostini
event[†]	One or more words from the title of a specific event. This field is not applicable to video or GraphicsBank.	MoMA+Film+Benefit
subject[†]	Subject category in the AP Subject vocabulary. For a list of top-level subjects, see "Top-Level Subject Categories" on page 30. The full list of AP Subjects is available at https://developer.ap.org/sites/default/files/APSubjects.xls.	Entertainment
imageId[†]	One or more image ID numbers assigned to content items. Multiple IDs must be separated by commas (an implied OR operator is used between each image ID). This field is not applicable to video.	111115013174, 111115175924
transref[†]	Transmission reference number. This field is not applicable to video or GraphicsBank.	DEL161
creationDate[†]	The date when the content item was created, in the format YYYY-MM-DD, YYYY-MM, YYYY or YYYY-MM-DD**T**HH:mm**Z** where the value must be in Coordinated Universal Time (UTC). For GraphicsBank items, this is the date of the news event that the graphic illustrates.	2011-12-02 2011 2011-12-02T17:52Z
arrivalDate[†]	The date when the content item was released, in the format YYYY-MM-DD, YYYY-MM, YYYY or YYYY-MM-DD**T**HH:mm**Z** where the value must be in Coordinated Universal Time (UTC). By default, the entire AP Images or AP Video-US collection is searched.	2011-12-02 2011-12-02T17:52Z
showParametrics	By default, query facets that allow you to refine the original search are returned for each content item at the entry level only. When showParametrics=true is specified in the request, the response also includes query facets in the opensearch:Query elements at the feed level.	true

PARAMETER	DESCRIPTION	EXAMPLE
metadataLevel	The level of metadata to be included in search results. Valid options are: – 1: includes all available metadata except for the query facets at the feed level); this is the default option. – 2: excludes \<category\> elements (except for urgency), query facets at the feed and entry levels, and the \<groupSet\> element that contains additional metadata in NewsML-G2 format.	2
count	The number of search results per page. The default is 25 results with a maximum of 100 per page.	30
page	The page number within the set of search results. The default is 1.	2
sortby	Specifies how to sort the search results. Valid options are: | APPLIES TO	VALUE	DISPLAYS...
AP Images (including GraphicsBank)	newest	The latest and most relevant items first (this is the default for photos).
	newsfeed	The latest items first.
	highlights	The most relevant items first, regardless of the time period.
	oldest	The oldest and most relevant items first.
Video	relevance	The most relevant items first (this is the default for video).
	creationDate	The latest items first.
	creationDate/ sort.ascending	The oldest items first. | Alternatively, you can use this parameter within the q parameter value. For more information, see the "Result Sorting" section in "Supported Search Syntax" on page 19.	newsfeed

† Alternatively, you can use these parameters as metadata field names within the q parameter value. For more information, see the "Metadata Searches" section in "Supported Search Syntax" on page 19.

Request Headers (Optional)

HEADER	DESCRIPTION	VALID VALUES
Accept	The MIME type of the returned data format (XML or JSON). The default is application/atom+xml.	– application/atom+xml – application/json
Accept-Encoding	Compresses the response to the gzip format.	gzip

Request URI Examples

SAMPLE URI	RETURNED RESULTS
https://api.ap.org/v2/search?apiKey={apiKey}&q=Sarah+Jessica+Parker&creationDate=2012-11-10	Content items created on November 10, 2012 that match all of the specified keywords ("Sarah," "Jessica" and "Parker")
https://api.ap.org/v2/search?apiKey={apiKey}&person=Tom+Cruise&person=Katie+Holmes	Images featuring both Tom Cruise and Katie Holmes
https://api.ap.org/v2/search?apiKey={apiKey}&person=Tom+Cruise,Katie+Holmes	Images featuring either Tom Cruise or Katie Holmes

SAMPLE URI	RETURNED RESULTS
https://api.ap.org/v2/search?apiKey={apiKey}&q=Tom+Cruise+AND+creationDate<2011	Content items created before 2011 that match all of the specified keywords ("Tom" and "Cruise")
https://api.ap.org/v2/search/video?apiKey={apiKey}&q=Tom+Cruise	Videos that match both keywords ("Tom" and "Cruise")
https://api.ap.org/v2/search?apiKey={apiKey}&q=football&contentSet=GraphicsBank	All GraphicsBank items that match the keyword "football"
https://api.ap.org/v2/search?apiKey={apiKey}&q=football&contentSet=GraphicsBank_Graphic&creationDate=2013-11-09	All GraphicsBank graphics that match the keyword "football" and illustrate a news event that took place on November 9, 2013

Response

Returns the standard HTTP status code of "200 – OK" and search results in the specified format:

– XML format that contains standard ATOM, OpenSearch, NewsML-G2 and XHTML elements

– JSON format

Each result includes the content item ID, a limited set of metadata and links to all renditions of the content item (for example, thumbnail, preview and high-resolution versions of a photo). For information about error codes, see "Error Codes" on page 29.

Feed Descriptive Elements

XML ELEMENT	JSON PROPERTY	DESCRIPTION
id		A globally unique identifier for this set of search results. The identifier consists of a prefix "urn:tag:ap.org,2011-11-02:search-" followed by the 'updated' timestamp.
title	"title"	The original search terms.
updated	"updated"	The date and time (in W3C XML Schema's xs:dateTime format) when the search results were generated.
author		Contains the source of the search results.
name		The name of the organization that provided the search results.
uri		The website of the organization that provided the search results.
rights		Copyright line for the search results.
link		Provides links to navigate within the search results.
@rel="suggestedTerm"	"suggestedTerm"	*(If applicable)* A suggested term that can be used to retry the search; for example, if the original search term was misspelled.
@rel="first"	"firstpage"	Indicates a link to the first page of search results.
@rel="previous"	"previouspage"	Indicates a link to the previous page of search results.
@rel="next"	"nextpage"	Indicates a link to the next page of search results.

XML ELEMENT	JSON PROPERTY	DESCRIPTION
@rel="last"	"lastpage"	Indicates a link to the last page of search results.
@rel="contentSet"	"contentSets"	Indicates a link to the results of this search for each of the AP Images content sets: Editorial, Creative (RM), Creative (RF), GraphicsBank, GraphicsBank_Graphic and GraphicsBank_Photo.
@title	"title"	The suggested term or content set name.
@href	"href"	– *XML*: The specific URL to a search result page or to the results of this search for a particular content set. – *JSON*: The specific URL to the results of this search for a particular content set.
@type		The MIME type of the data format returned when the link in the "href" attribute is followed.
opensearch:totalResults	"totalResults"	The number of results available for the current search.
opensearch:startIndex	"startIndex"	The index of the first search result in the current set of results.
opensearch:itemsPerPage	"itemsPerPage"	The number of search results returned per page. The default value is equal to the number of search results on the current page.
opensearch:Query	"queries"	Contains the query that can be used to recreate these search results or query facets that allow you to refine the original search. **Note:** Query facets at the feed level are returned only when showParametrics=true is specified in the request. For each facet type, the search returns the top ten facets based on the number of results matching that facet.
@role="facet.subject"	"role": "facet.subject"	A query facet using the subject category name.
@role="facet.event"	"role": "facet.event"	A query facet using the entry title.
@role="facet.person"	"role": "facet.person"	A query facet using a person featured in the image.
@totalResults	"totalResults"	The number of search results matching a query facet.
@searchTerms	"searchTerms"	The search terms that can be used to refine the original search.
@title	"title"	The query facet name.

Content Descriptive Elements

The following metadata elements are returned for each content item:

XML ELEMENT	JSON PROPERTY	DESCRIPTION
entry	"entries"	– *XML*: Each "entry" element contains the data and metadata associated with an individual feed entry. – *JSON*: The "entries" property contains all of the results on this page.

XML ELEMENT	JSON PROPERTY	DESCRIPTION
id	"id"	− *XML*: A unique identifier for the content item. − *JSON*: The canonical link (a link to the full metadata for the content item).
title	"title"	The content item title.
updated	"updated"	The date and time (in W3C XML Schema's xs:dateTime format) when the entry was updated.
published	"published"	The date and time (in W3C XML Schema's xs:dateTime format) when the entry was created.
author/name	"source"	The name of the organization or individual that provided source material for the content item.
rights	"rights"	Copyright line for the content item.
See <category>	"urgency"	The editorial priority assigned to the content (if available). The possible values range from 1 (highest priority) to 8 (lowest priority). Numeric / Legacy* / Description: 1 — f — Flash 2 — b — Bulletin 3 — u — Urgent 4 — r — Routine 5 — d — Daily 6 — w — Release at will 7 — a — Weekday advance 8 — s — Weekend advance * Legacy values are not included in the API response and are provided here for reference purposes only.
See <creditline> in <groupSet>	"credit"	The name of the party or parties that are credited with providing the content.
See <edNote> in <groupSet>	"edNote"	Editorial instructions for processing the item. Do <u>not</u> distribute this information to news consumers, except where explicitly noted.
See <creator> in <groupSet>	"photographer"	The party who created the content, such as a photographer.
	"id"	A code identifying the creator (or photographer) title.
	"title"	The title of the party who created the content.
	"name"	The name of the party who created the content.
See <contributor> in <groupSet>	"captionwriter"	The party who contributed to the content, such as a caption writer.
	"title"	The title of the party who contributed to the content.
	"name"	The name of the party who contributed to the content.
See <altId type="idtype: transmitRef"> in <groupSet>	"transmissionreference"	The reference ID value used to identify a transmission of the content item across one or more mediums, depending on the practices of the content distributor.

Numeric	Legacy*	Description
1	f	Flash
2	b	Bulletin
3	u	Urgent
4	r	Routine
5	d	Daily
6	w	Release at will
7	a	Weekday advance
8	s	Weekend advance

XML ELEMENT	JSON PROPERTY	DESCRIPTION

category	"categories"	– *XML*: Multiple <category> elements are returned. Each category contains <u>one</u> of the following:
		  – AP subject category
		  – The media type of the search result
		  – The editorial priority assigned to the content (if available)
		– *JSON*: The "categories" property contains all of the categories for this search result, including AP subject categories and the media type of the search result.

@term	"term"	The AP subject category or media type GUID.
@scheme	"scheme"	A URI for the vocabulary to which a term belongs.
@label	"label"	A human-readable label for display in applications.
link	"alternateLinks" "contentLinks"	– *XML*. Multiple <link> elements contain the links to the full metadata and various renditions of the content item, and search results by image ID and transmission reference number. – *JSON*. The "alternateLinks" property contains the links to search results by image ID and transmission reference number. The "contentLinks" property contains the links to the various renditions of the content item.
@rel="canonical"	*See "id"*	Indicates a link to the full metadata for the current entry. By default, the full metadata is provided in the NewsML-G2 format.
@rel="alternate.imageid"	"alternate.imageid"	Indicates a link to the results of a search by the image ID number assigned to the content item.
@rel="alternate.transref"	"alternate.transref"	Indicates a link to the results of a search by the transmission reference number assigned to the content item.
@rel="thumbnail"	"thumbnail"	Indicates a link to the content item thumbnail (if available).
@rel="preview"	"preview"	Indicates a link to the content item preview (if available).
@rel="main"	"main"	Indicates a link to the main rendition of the content item.

XML ELEMENT	JSON PROPERTY	DESCRIPTION
@href	"href"	The specific URL to one of the following: – The content item metadata. – Search results by image ID. – Search results by transmission reference number of the content item. – A content item rendition. You can specify the value of the format parameter (located at the end of the URL) as the value of the format parameter in the Item Rendition request. For more information, see "Item Rendition Download Method" on page 26.
@type	"type"	The MIME type of the data format returned when the link in the "href" attribute is followed. You can specify the MIME type of the content item rendition in the Accept header of the Item Rendition request. For more information, see "Item Rendition Download Method" on page 26.
@title	"title"	The name of the content item rendition that can be used for posting on a website.
See @height and @width in \<remoteContent\> in \<groupSet\>	"height"	Height of image/video in pixels.
	"width"	Width of image/video in pixels.
content	"contentxhtml"	– *For photos and graphics*: contains the content item caption. – *For video*: a script and/or a caption (if available).
@type="xhtml"		Indicates that the content is formatted as XHTML.
groupSet **and** group		Contain additional metadata for the content item in NewsML-G2 format.
itemRef/@href		The API reference for the content item.
edNote	*See "ednote"*	Editorial instructions for processing the item. Do not distribute this information to news consumers, except where explicitly noted.
creator	*See "photographer"*	The party who created the content, such as a photographer.
@literal		A code identifying the creator (or photographer) title.
@jobtitle		The title of the party who created the content.
@role		The role of the party who created the content.
name		The name of the party who created the content.
contributor	*See "captionwriter"*	The party who contributed to the content, such as a caption writer.
@jobtitle		The title of the party who contributed to the content.
@role		The role of the party who contributed to the content.
name		The name of the party who contributed to the content.

XML ELEMENT	JSON PROPERTY	DESCRIPTION
altId/@type	*See "transmissionreference"*	One of the following alternative IDs, each in its own \<altId\> element: – transmitRef: the reference ID value used to identify a transmission of the content item across one or more mediums, depending on the practices of the content distributor. – friendlyKey: a human-readable ID that uniquely identifies a content item. – recordSequenceNumber: the content item revision number (0 for the initial version, 1 for the first revision, 2 for the second revision and so on). – itemId: a unique ID for the chain of revisions that comprise a content item.
creditline	*See "credit"*	The name of the party or parties that are credited with providing the content.
remoteContent		Indicates a link to the main, preview or thumbnail rendition of a content item.
@href		The specific URL to the main, preview or thumbnail rendition of a content item.
@residref		Resource Identifier Reference used to identify the content item rendition.
@type		The MIME type associated with the content item data (for example, image/jpeg).
@rendition		The content item rendition (for example, highRes, preview or thumbnail).
@contenttype		The MIME type associated with the content item data (for example, image/jpeg).
@format		The format of the content item data (for example, JPEG_Baseline).
@width	*See "width" and "height" under "contentLinks"*	Width of image/video in pixels.
@height		Height of image/video in pixels.
opensearch:Query	"queries"	Additional query facets for the entry that can be used to refine the original search.
@role="facet.person"	"role": "facet.person"	A query facet using a person featured in the image.
@role="facet.event"	"role": "facet.event"	A query facet using the title of the current entry.
@searchTerms	"searchTerms"	The search terms that can be used to refine the original search.
@title	"title"	The featured person's name or the entry title.

Sample Response

XML

The following example shows the results of a keyword search for "Tom Cruise" in the XML format (only one result is shown for brevity). Dark gray shading indicates query facets that are returned only when the `showParametrics=true` parameter is specified in the request. Light gray shading indicates additional metadata that can be excluded by specifying the `metadataLevel=2` parameter.

```xml
- <feed xmlns="http://www.w3.org/2005/Atom" xmlns:opensearch="http://a9.com/-/spec/opensearch/1.1/">
    <id>urn:tag:ap.org,2011-11-02:search-2012-01-06T20:31:11.059Z</id>
    <title>Tom Cruise</title>
    <updated>2012-01-06T20:31:11.059Z</updated>
  - <author>
      <name>The Associated Press</name>
      <uri>http://www.ap.org</uri>
    </author>
    <rights>Copyright 2012 The Associated Press. All rights reserved.</rights>
    <link rel="first" href="https://api.ap.org/v2/search?q=Tom+Cruise&page=1" type="application/atom+xml" />
    <link rel="next" href="https://api.ap.org/v2/search?q=Tom+Cruise&page=2" type="application/atom+xml" />
    <link rel="last" href="https://api.ap.org/v2/search?q=Tom+Cruise&page=60" type="application/atom+xml" />
    <link rel="contentSet" title="Editorial" href="https://api.ap.org/v2/search?q=Tom+Cruise&contentSet=editorial"
        type="application/atom+xml" />
    <link rel="contentSet" title="Creative (RM)" href="https://api.ap.org/v2/search?q=Tom+Cruise&contentSet=creativerm"
        type="application/atom+xml" />
    <link rel="contentSet" title="Creative (RF)" href="https://api.ap.org/v2/search?q=Tom+Cruise&contentSet=creativerf"
        type="application/atom+xml" />
    <opensearch:totalResults>1494</opensearch:totalResults>
    <opensearch:startIndex>1</opensearch:startIndex>
    <opensearch:itemsPerPage>25</opensearch:itemsPerPage>
    <opensearch:Query role="facet.subject" totalResults="1060" title="ENTERTAINMENT" searchTerms="Tom Cruise AND
        subject="ENTERTAINMENT"" />
    <opensearch:Query role="facet.subject" totalResults="1021" title="ARTS AND ENTERTAINMENT" searchTerms="Tom Cruise
        AND subject="ARTS AND ENTERTAINMENT"" />
    <opensearch:Query role="facet.subject" totalResults="991" title="CELEBRITY" searchTerms="Tom Cruise AND
        subject="CELEBRITY"" />
    <opensearch:Query role="facet.subject" totalResults="493" title="MOVIES" searchTerms="Tom Cruise AND
        subject="MOVIES"" />
    <opensearch:Query role="facet.subject" totalResults="454" title="MOVIE PREMIERES" searchTerms="Tom Cruise AND
        subject="MOVIE PREMIERES"" />
    <opensearch:Query role="facet.subject" totalResults="62" title="CELEBRITY RED CARPET" searchTerms="Tom Cruise AND
        subject="CELEBRITY RED CARPET"" />
        …
    <opensearch:Query role="facet.event" totalResults="86" title="TOM CRUISE & KATIE HOLMES IN NYC" searchTerms="Tom
        Cruise AND event="TOM CRUISE & KATIE HOLMES IN NYC"" />
    <opensearch:Query role="facet.event" totalResults="85" title="PREMIERE VALKYRIE NY" searchTerms="Tom Cruise AND
        event="PREMIERE VALKYRIE NY"" />
    <opensearch:Query role="facet.event" totalResults="63" title="MISSION: IMPOSSIBLE - GHOST PROTOCOL PREMIERE"
        searchTerms="Tom Cruise AND event="MISSION: IMPOSSIBLE - GHOST PROTOCOL PREMIERE"" />
        …
    <opensearch:Query role="facet.person" totalResults="664" title="TOM CRUISE" searchTerms="Tom Cruise AND
        person="TOM CRUISE"" />
    <opensearch:Query role="facet.person" totalResults="177" title="KATIE HOLMES" searchTerms="Tom Cruise AND
        person="KATIE HOLMES"" />
    <opensearch:Query role="facet.person" totalResults="42" title="OPRAH WINFREY" searchTerms="Tom Cruise AND
        person="OPRAH WINFREY"" />
        …
  - <entry>
      <id>https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349</id>
      <title>Britain Mission Impossible Ghost Protocol</title>
      <updated>2012-01-09T15:31:13.793Z</updated>
      <published>2012-01-05T17:33:53Z</published>
    - <author>
        <name>AP</name>
      </author>
      <rights>Copyright 2011 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten
        or redistributed.</rights>
      <category term="c706572879441004880dba7fa5283c3e" scheme="http://cv.ap.org/id/" label="Photo" />
      <category term="b4ed19d87e5c10048565df092526b43e" scheme="http://cv.ap.org/id/" label="Celebrity" />
```

```xml
      <category term="854509a889f01004818ed56c852d093e" scheme="http://cv.ap.org/id/" label="Celebrity red carpet" />
      <category term="7553a0f08a671004809cbe215f24353e" scheme="http://cv.ap.org/id/" label="Movie premieres" />
      <category term="5b4319707dd310048b23df092526b43e" scheme="http://cv.ap.org/id/" label="Entertainment" />
      <category term="16cb0ba3e6d24d97ace39f5a1924669a" scheme="http://cv.ap.org/id/" label="Arts and entertainment" />
      <category term="c189ae6088be10048dcfb097165a0203" scheme="http://cv.ap.org/id/" label="Movies" />
    <category scheme="http://cv.ap.org/urgency/" label="5" />
    <link rel="canonical" href="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349" />
    <link rel="alternate.imageid" href="https://api.ap.org/v2/search/photo?imageId=111213124683" />
    <link rel="alternate.transref" href="https://api.ap.org/v2/search?transref=NYOTK&arrivalDate=2012-01-09" />
    <link rel="main" href="https://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Main?format=jpeg
      &filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_3264x4896.jpg"
      type="image/jpeg" title="Full-Resolution (JPG)" />
    <link rel="thumbnail" href="https://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Thumbnail
      ?format=jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_85x128.jpg"
      type="image/jpeg" title="Thumbnail (JPG)" />
    <link rel="preview" href="https://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Preview
      ?format=jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_341x512.jpg"
      type="image/jpeg" title="Preview (JPG)" />
  - <content type="xhtml">
    - <div xmlns="http://www.w3.org/1999/xhtml">
        <p>U.S actor Tom Cruise arrives on the red carpet for the UK Premiere of Mission: Impossible Ghost Protocol, at a
          central London cinema, Tuesday, Dec. 13, 2011. (AP Photo/Joel Ryan)</p>
      </div>
    </content>
  - <groupSet root="fedf6ff0f6564fc29449f189d9242349-G1" xmlns="http://iptc.org/std/nar/2006-10-01/">
    - <group id="fedf6ff0f6564fc29449f189d9242349-G1" role="group:main">
      - <itemRef href="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349">
          <edNote>For editorial use. Special rates may apply. Please contact your AP representative with
            questions.</edNote>
        - <creator literal="STF" jobtitle="aptitle:STAFF" role="aprol:photographer">
            <name>Joel Ryan</name>
          </creator>
        - <contributor jobtitle="aptitle:CaptionWriter" role="aprol:captionwriter">
            <name>JR</name>
          </contributor>
          <altId type="idtype:transmitRef">NYOTK</altId>
          <altId type="ap:friendlyKey">111213124683</altId>
          <altId type="ap:recordSequenceNumber">0</altId>
          <altId type="ap:itemId">fedf6ff0f6564fc29449f189d9242349</altId>
          <creditline>ASSOCIATED PRESS</creditline>
          <remoteContent href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Main?format=
            jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_3264x4896.jpg"
            residref="dc267e5a84837100030f6a7067006aad" contenttype="image/jpeg" rendition="rnd:highRes"
            size="1951322" format="frmt:JPEG_Baseline" width="3264" height="4896" />
          <remoteContent href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Preview
            ?format=jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost
            Protocol_341x512.jpg" residref="dc26a37e84837100030f6a706700f47d" contenttype="image/jpeg"
            format="frmt:JPEG_Baseline" rendition="rnd:preview" width="341" height="512" />
          <remoteContent href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Thumbnail
            ?format=jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost
            Protocol_85x128.jpg" residref="dc26967b84837100030f6a7067001dfd" contenttype="image/jpeg"
            format="frmt:JPEG_Baseline" rendition="rnd:thumbnail" width="85" height="128" />
        </itemRef>
      </group>
    </groupSet>
    <opensearch:Query role="facet.person" searchTerms="Tom Cruise AND person="Tom Cruise"" title="Tom Cruise" />
    <opensearch:Query role="facet.event" searchTerms="Tom Cruise AND event="Britain Mission Impossible Ghost Protocol""
      title="Britain Mission Impossible Ghost Protocol" />
  </entry>
    ...
</feed>
```

JSON

The following example shows the results of a keyword search for "Tom Cruise" in the JSON format (only one result is shown for brevity). Dark gray shading indicates query facets that are returned only when the `showParametrics=true` parameter is specified in the request. Light gray shading indicates additional metadata that can be excluded by specifying the `metadataLevel=2` parameter.

```
{
"title": "Tom Cruise",
"updated": "2012-01-06T20:31:11.059Z" ,
"firstpage": "https://api.ap.org/v2/search?q=Tom+Cruise&page=1" ,
"nextpage": "https://api.ap.org/v2/search?q=Tom+Cruise&page=2" ,
"lastpage": "https://api.ap.org/v2/search?q=Tom+Cruise&page=60" ,
"contentSets": [
{"href": "https://api.ap.org/v2/search?q=Tom+Cruise&contentSet=editorial", "title": "Editorial"} ,
{"href": "https://api.ap.org/v2/search?q=Tom+Cruise&contentSet=creativerm", "title": "Creative (RM)"},
{"href": "https://api.ap.org/v2/search?q=Tom+Cruise&contentSet=creativerf", "title":  "Creative (RF)"}
],
"totalResults": 1494 ,
"startIndex": 1 ,
"itemsPerPage": 25 ,
 "queries": [
{"role": "facet.subject", "totalResults": "1060", "title": "ENTERTAINMENT", "searchTerms": "Tom Cruise AND
subject='ENTERTAINMENT'"} ,
{"role": "facet.subject", "totalResults": "1021", "title": "ARTS AND ENTERTAINMENT" , "searchTerms": "Tom Cruise AND
subject='ARTS AND ENTERTAINMENT'"},
{"role": "facet.subject", "totalResults": "991", "title": "CELEBRITY", "searchTerms": "Tom Cruise AND subject='CELEBRITY'"} ,
{"role": "facet.subject", "totalResults": "493", "title": "MOVIES", "searchTerms": "Tom Cruise AND subject='MOVIES'"}
],
"entries": [
{"id": "https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349" ,
"title": "Britain Mission Impossible Ghost Protocol",
"updated": "2012-01-09T15:31:13.793Z",
"published": "2012-01-05T17:33:53Z",
"source": "AP",
"rights": "Copyright 2011 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten
or redistributed.",
"urgency": "5",
"credit": "ASSOCIATED PRESS",
"ednote": "For editorial use. Special rates may apply. Please contact your AP representative with questions.",
"transmissionreference": "NYOTK",
"photographer":
{
"id": "STF",
"title": "STAFF",
"name": "Joel Ryan"
},
"captionwriter":
{
"title": "Caption Writer",
"name": "JR"
},
"categories": [
{"term": "c706572879441004880dba7Fa5283c3e", "scheme": "http://cv.ap.org/id/", "label": "Photo"},
{"term": "b4ed19d87e5c10048565df092526b43e", "scheme": "http://cv.ap.org/id/", "label": "Celebrity"},
{"term": "16cb0ba3e6d24d97ace39f5a1924669a", "scheme": "http://cv.ap.org/id/", "label": "Arts and entertainment"}
],
"alternateLinks": [
{"alternate.imageid": "https://api.ap.org/v2/search/photo?imageId=111213124683"},
{"alternate.transref": "https://api.ap.org/v2/search?transref=NYOTK&arrivalDate=2012-01-09"}
],
"contentxhtml": "<p>U.S actor Tom Cruise arrives on the red carpet for the UK Premiere of Mission: Impossible Ghost
Protocol, at a central London cinema, Tuesday, Dec. 13, 2011. (AP Photo/Joel Ryan)</p>",
"contentLinks":
[
{
"rel": "main",
"href": "https://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Main?format=jpeg&filename=
```

fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_3264x4896.jpg",
"type": "image/jpeg",
"title": "Full-Resolution (JPG)",
"height": 3264,
"width": 4896
},
{
"rel": "thumbnail",
"href": "https://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Thumbnail?format=jpeg&filename=
fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_85x128.jpg",
"type": "image/jpeg",
"title": "Thumbnail (JPG)",
"height": 85,
"width": 128
},
{
"rel": "preview",
"href": "https://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Preview?format=jpeg&filename=
fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_341x512.jpg",
"type": "image/jpeg",
"title": "Preview (JPG)",
"height": 341,
"width": 512
}],
"queries": [
{ "role": "facet.person", "searchTerms": "Tom Cruise AND person='Tom Cruise'", "title": "Tom Cruise"},
{ "role": "facet.event", "searchTerms": "Tom Cruise AND event='Britain Mission Impossible Ghost Protocol'", "title": "Britain
Mission Impossible Ghost Protocol"}
]
}
]
}

SUPPORTED SEARCH SYNTAX

⚠️ **Important**: This section applies only to specifying the query expression (the value of the `q` parameter in search requests). Make sure that the query expression is URL-encoded. For example, the URL-encoded value of the sample query `child "psychology magazine"` is `child+"psychology+magazine"`.

SEARCH TYPE	DESCRIPTION
Basic Keywords	A basic query contains one or more words and no operators.

SAMPLE QUERY	RETURNED RESULTS
Iraq	Finds items containing the word *"Iraq"* and related word variations, such as *"Iraqi"*, but not *"Iran"*.
iraq	Returns the same results as *Iraq* (case is ignored).
Iraq Iran Iraq	Returns the same results as *Iraq Iran* (repeated words are ignored).

SEARCH TYPE	DESCRIPTION
Wildcard Searches	Wildcards are useful when you are not sure of the spelling or exact name of a desired item. You can use the following wildcards in your query: – Question mark (?) to substitute any single alphanumeric character in a query term. – Asterisk (*) to substitute none, one or more characters at the beginning or end of a word.

⚠️ **Important**: A wildcard character must be preceded and followed by either an alphanumeric character or a space.

SAMPLE QUERY	FINDS...
la?er	La<u>t</u>er, la<u>y</u>er, la<u>g</u>er, etc.
pharma*	<u>pharma</u>cy, <u>pharma</u>ceutical, <u>pharma</u>cist
*view	re<u>view</u>, over<u>view</u>, pre<u>view</u>
ploy	de<u>ploy</u>ed, de<u>ploy</u>ment, em<u>ploy</u>er, em<u>ploy</u>ee

SEARCH TYPE	DESCRIPTION
Exact Phrase	Use quotation marks to specify exact phrases:

SAMPLE QUERY	RETURNED RESULTS
"Scotland Yard"	Finds items containing the entire exact phrase *Scotland Yard*, not just the word *Scotland* or the word *Yard*. This also prevents word stemming, so *Scottish Yards* or *Scotland's Yardley* will not match.
"scotland yard"	Returns the same results as *"Scotland Yard"* (case is ignored in quoted text).
child "psychology magazine"	Finds items containing both *child* and *psychology magazine* including *child psychology magazine* and *children's psychology magazine* (stemming is applied to the word *child*).

To use a stop word (for example, *"Case"*, *"has"*, *"after"*, *"near"*) in a search query, enclose it in quotation marks. For example, use *"The 2009 Olympics"* instead of *The 2009 Olympics*, and *"Yahoo!"* instead of *Yahoo!*

🔍 **Note:** If quotation marks surround a search term that includes a wildcard (like ? or *), the quotation marks are ignored.

SEARCH TYPE	DESCRIPTION
Boolean Operators	You can use the following Boolean operators <u>between keywords</u>: – AND to narrow a search matching all of the keywords. – OR to broaden a search by matching any of the keywords. – NOT to narrow a search by excluding a keyword.

SAMPLE QUERY	RETURNED RESULTS
Queen AND Elizabeth	Finds items containing both the words *Queen* and *Elizabeth* (as in *Queen Elizabeth II* or *Elizabeth, Queen of England*).
California OR wildfires OR earthquakes	Finds items containing any of these words: *California* or *wildfires* or *earthquakes.*
strike NOT baseball	Finds items containing the word *strike* (such as a *transit strike* or *airline strike*) but not word *baseball* (such as *baseball strike*).

To specify the order in which your search terms are processed, surround the first set that you want processed with parentheses:

SAMPLE QUERY	RETURNED RESULTS
(media OR censorship) NOT radio	Finds items containing either of the words *media* or *censorship*, then excludes those that also contain the word *radio*.
wildfires AND (earthquakes NOT California)	Finds items containing the word *earthquakes* but not *California*, and then returns items that also contain the word *wildfires*. Items about *wildfires* and *earthquakes* would be returned, but not about *California wildfires*. In this example, leaving out the parentheses <u>does not</u> change the results.
wildfires AND (earthquakes OR California)	Finds items containing either the words *wildfires* and *earthquakes*, or *wildfires* and *California.* In this example, leaving out the parentheses <u>does</u> change the results (see below).
wildfires AND earthquakes OR California	Finds items containing either the words *wildfires* and *earthquakes* or the word *California.*

The Search method uses standard Boolean precedence rules and searches for content items in the following order:
1. Words surrounded by parentheses.
2. Words surrounded by quotation marks.
3. Words connected by NOT, AND and finally, OR.

SEARCH TYPE	DESCRIPTION
Metadata Searches	You can narrow your search to a specific metadata field:

SAMPLE QUERY	RETURNED RESULTS
headline=Chancellor	Finds items containing the word *Chancellor* in the image headline.
headline=Chancellor AND event=Chancellor	Finds items containing the word *Chancellor* in the image headline and the event title.

SEARCH TYPE	DESCRIPTION
Metadata Searches *(continued)*	You can use the following comparison operators: | OPERATOR	DESCRIPTION	URL-ENCODED VALUE
---	---	---
=	Equal to	%3D
<>	Not equal to	<>
<	Less than	<
>	Greater than	>
<=	Less than or equal to	<%3D
>=	Greater than or equal to	>%3D | For example, you can use these operators to specify dates and date ranges as part of the q parameter value: | SAMPLE QUERY	RETURNED RESULTS
arrivalDate>=2011-12-02	Finds items that arrived on or after December 12, 2011.
creationDate>2012-01 AND creationDate<2012-11	Finds items created during the months between January and November 2012.
arrivalDate=2012-01-03T17:52Z	Finds items that arrived at 17:52 UTC on January 3, 2012. | Metadata fields can be combined with Boolean operators or wildcards to narrow or widen a search. | SAMPLE QUERY	RETURNED RESULTS
source=(AP or CP) NOT ("Queen Elizabeth II" OR "Elizabeth, Queen of England")	Finds items that originated by AP or Canadian Press (CP) that are not about Queen Elizabeth II.
imageId=X01* AND headline<>fire	Finds items with image ID numbers that begin with X01 and do not include the word *fire* in the headline. | Some commonly used metadata fields to enter in search expressions include: – The following metadata fields that are also used as search request URI parameters: source, person, photographer, event, subject, imageId, transref, creationDate, arrivalDate and locations. For more information, see "Request URI Parameters" on page 6. – Additional metadata fields: | FIELD NAME	DESCRIPTION
keywords	A multi-word field used to expedite content searching.
headline	A brief synopsis of the content item.	
Result Sorting	You can use the sortby parameter and its values within the q parameter value. 	SAMPLE QUERY	RETURNED RESULTS
person="Tom Cruise" sortby creationDate	Finds items featuring Tom Cruise and displays the newest items first. | For more information, see "Request URI Parameters" on page 6.

CONTENT ITEM

ITEM METADATA METHOD

⚠️ **Important**: This section is provided for reference purposes. Use the item metadata links that are available in search results.

Description

Returns the content item data for the specified GUID, including metadata and links to all renditions of the content item (for example, thumbnail, preview and high-resolution versions of a photo).

Request

METHOD	REQUEST URI
GET	https://api.ap.org/{version}/item/{id}?apiKey={apiKey}[&format={format}]

Request URI Parameters

Required Parameters

PARAMETER	DESCRIPTION	VALID VALUE
version	The API version. Currently, the only valid value is v2.	v2
id	The GUID of a content item (not case-sensitive).	Any valid 32-character GUID of a content item

Optional Parameter

PARAMETER	DESCRIPTION	VALID VALUE
format	The format of the returned content item data. The requested output format can be specified either as the format parameter value or as the format MIME type in the request Accept header (the format parameter value takes precedence over the Accept header value). If no format is specified as the format parameter value or in the Accept header, NewsML-G2 is returned.	g2

Request Headers (Optional)

HEADER	DESCRIPTION	VALID VALUES
Accept	The MIME type of the returned data format. The default is NewsML-G2 (application/vnd.iptc.g2.newsitem+xml).	application/vnd.iptc. g2.newsitem+xml
Accept-Encoding	Compresses the response to the gzip format.	gzip

Request URI Example

https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349?format=g2&apiKey={apiKey}

Response

Returns the standard HTTP status code of "200 – OK" and an XML document with the content item data for the specified GUID. For information about error codes, see "Error Codes" on page 29.

Sample Response

The content item data is returned as XML in the NewsML-G2 format.

NewsML-G2

NewsML-G2 is a news exchange format developed by the International Press Telecommunications Council (IPTC). For more information, please visit http://www.iptc.org/site/News_Exchange_Formats/NewsML-G2/. The current AP Content API implementation of NewsML-G2 is based on version 2.10 and includes AP proprietary metadata.

News Message Structure

A NewsML-G2 News Message returned by the AP Images API has the following structure:

1. **Header**. General information about the News Message that includes standard NewsML-G2 elements. For more information, refer to the *IPTC G2 Implementation Guide* at http://www.iptc.org/std/NewsML-G2/2.13/documentation/IPTC-G2-Implementation_Guide_5.0.pdf.

2. **Item Set**. Contains a G2 News Item (described in more detail in the following section).

```
NEWS MESSAGE
- <newsMessage xmlns="http://iptc.org/std/nar/2006-10-01/">
    <!-- APImages API NewsML G2 -->
1   - <header>
        <sent>2012-01-05T17:33:53Z</sent>
        <sender>ap.org</sender>
      </header>
2   - <itemSet>
      + <newsItem guid="tag:ap.org,2011:fedf6ff0f6564fc29449f189d9242349-photo" version="1" standard="NewsML-
        G2" standardversion="2.10" conformance="power" xmlns:xhtml="http://www.w3.org/1999/xhtml" >
      </itemSet>
  </newsMessage>
```

News Item Structure

1. **The top-level `<newsItem>` element**. This element contains a GUID and version number for the document, catalog references and copyright information.

2. **Management metadata**. The `<itemMeta>` element contains management metadata, such as the item class, provider, publishing status, timestamps, the generator version used to create the news item, the versions and labels of the AP vocabularies represented in the response (for example, AP Subject, AP Geography), the services for distributing the news item, editorial note and signal.

3. **Content metadata**. The `<contentMeta>` element contains:

    A. Administrative metadata, such as urgency, timestamps, creator (photographer), contributor (caption writer), location, source, alternative IDs and language.

    B. Descriptive metadata, such as subjects, slugline, headline, natural language author/creator information (in one or more `<by>` elements), creditline, keywords, caption and overline. The caption appears in the `<description role="drol:caption">` element. The overline appears in the `<description role="drol:overline">` element. For more information about subject categories, please refer to the list of AP Subjects posted at http://developer.ap.org/sites/default/files/APSubjects.xls.

4. **Content**. The `<contentSet>` element contains links to the main, preview and thumbnail renditions.

1

```xml
- <newsItem guid="tag:ap.org,2011:fedf6ff0f6564fc29449f189d9242349-photo" version="1"
    standard="NewsML-G2" standardversion="2.10" conformance="power">
  <catalogRef href="http://www.iptc.org/std/catalog/catalog.IPTC-G2-Standards_6.xml" />
  <catalogRef href="http://cv.ap.org/customer/cv/catalog4customers-1.xml" />
- <rightsInfo>
    <copyrightHolder literal="AP" />
    <copyrightNotice>Copyright 2011 The Associated Press. All rights reserved. This material may not be
      published, broadcast, rewritten or redistributed.</copyrightNotice>
  </rightsInfo>
```

2

```xml
- <itemMeta>
    <itemClass qcode="ninat:picture" />
    <provider literal="AP" />
    <versionCreated>2012-01-05T17:33:53Z</versionCreated>
    <pubStatus qcode="stat:usable" />
    <generator versioninfo="2.9.0.C15803" role="apgen:runtime">APPL_2_NEWSML_ENTRY</generator>
    <generator versioninfo="2994" role="apgen:tagging">AP Subject</generator>
    <generator versioninfo="3002" role="apgen:tagging">AP Party</generator>
    <generator versioninfo="2975" role="apgen:tagging">AP Geography</generator>
    <service qcode="selector:-----" />
    <service qcode="apcycle:AP" />
    ...
    <edNote>For editorial use. Special rates may apply. Please contact your AP representative with
      questions.</edNote>
    <signal qcode="apsig:consumerready" />
  </itemMeta>
```

3 **A**

```xml
- <contentMeta>
    <urgency>5</urgency>
    <contentCreated>2012-01-05T17:33:53Z</contentCreated>
    <contentModified>2012-01-05T17:33:53Z</contentModified>
  - <creator literal="STF" jobtitle="aptitle:STAFF" role="aprol:photographer">
      <name>Joel Ryan</name>
    </creator>
  - <contributor jobtitle="aptitle:CaptionWriter" role="aprol:captionwriter">
      <name>JR</name>
    </contributor>
  - <located type="cptype:city">
      <name>London</name>
    - <broader type="cptype:country">
        <name>GBR XEN</name>
      </broader>
    - <geoAreaDetails>
        <position latitude="51.50853" longitude="-0.12574" />
      </geoAreaDetails>
    </located>
  - <infoSource role="crole:source">
      <name>AP</name>
    </infoSource>
  - <infoSource type="crole:filingsource">
      <name>AP</name>
    </infoSource>
    <altId type="idtype:transmitRef">NYOTK</altId>
    <altId type="ap:friendlyKey">111213124683</altId>
    <altId type="ap:recordSequenceNumber">0</altId>
    <altId type="ap:itemId">fedf6ff0f6564fc29449f189d9242349</altId>
    <altId type="ap:recordId">6834b04959fb484c8032149682d0b9ea</altId>
    <language tag="en-us" />
    <keyword role="krole:index">Tom Cruise</keyword>
```

B

```xml
  - <subject type="cpnat:abstract" qcode="apcategorycode:I">
      <name>International News</name>
    </subject>
  - <subject type="cpnat:abstract" qcode="apsuppcat:ENT">
      <name>Entertainment</name>
    </subject>
  - <subject type="cpnat:abstract" qcode="apsubject:b4ed19d87e5c10048565df092526b43e"
      why="why:direct" creator="apsubcreator:Teragram">
```

```
3  B        <name>Celebrity</name>
          - <broader qcode="apsubject:5b4319707dd310048b23df092526b43e">
               <name>Entertainment</name>
            </broader>
          </subject>
        - <subject type="cpnat:abstract" qcode="apsubject:854509a889f01004818ed56c852d093e"
           why="why:direct" creator="apsubcreator:Teragram">
           <name>Celebrity red carpet</name>
          - <broader qcode="apsubject:b4ed19d87e5c10048565df092526b43e">
               <name>Celebrity</name>
            </broader>
          </subject>
        - <subject type="cpnat:abstract" qcode="apsubject:7553a0f08a671004809cbe215f24353e"
           why="why:direct" creator="apsubcreator:Teragram">
           <name>Movie premieres</name>
          - <broader qcode="apsubject:c189ae6088be10048dcfb097165a0203">
               <name>Movies</name>
            </broader>
          </subject>
            ...
        - <subject type="cpnat:person" qcode="apperson:00f3318c4bae4a8da43016d8573c28be"
           creator="apsubcreator:Teragram">
           <name>Tom Cruise</name>
          </subject>
        - <subject type="cpnat:geoArea" qcode="apgeography:66219fb07d5b100482e2c076b8e3055c"
           why="why:direct" creator="apsubcreator:Teragram">
           <name>United Kingdom</name>
          </subject>
        - <subject type="cpnat:geoArea" qcode="apgeography:7a55e0187eff10048492df092526b43e"
           why="why:direct" creator="apsubcreator:Teragram">
           <name>London</name>
          </subject>
        - <subject type="cpnat:geoArea" qcode="apgeography:6618c9f87d5b10048202c076b8e3055c"
           why="why:ancestor" creator="apsubcreator:Teragram">
           <name>Western Europe</name>
          </subject>
        - <subject type="cpnat:geoArea" qcode="apgeography:661850e07d5b100481f4c076b8e3055c"
           why="why:ancestor" creator="apsubcreator:Teragram">
           <name>Europe</name>
          </subject>
        - <subject type="cpnat:geoArea" qcode="apgeography:df4691387d6b10048fdeba7fa5283c3e"
           why="why:ancestor" creator="apsubcreator:Teragram">
           <name>England</name>
          </subject>
          <slugline>Britain Mission Impossible Ghost Protocol</slugline>
          <headline xml:lang="en-us">Britain Mission Impossible Ghost Protocol</headline>
          <by>Joel Ryan</by>
          <by>JR</by>
          <creditline>ASSOCIATED PRESS</creditline>
          <description xml:lang="en-us" role="drol:caption">U.S actor Tom Cruise arrives on the red carpet for the
            UK Premiere of Mission: Impossible Ghost Protocol, at a central London cinema, Tuesday, Dec. 13, 2011
            (AP Photo/Joel Ryan).</description>
          <description xml:lang="en-us" role="drol:overline">Tom Cruise</description>
        </contentMeta>
4    - <contentSet>
        <remoteContent residref="dc267e5a84837100030f6a7067006aad"
         href="https://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Main?format=jpeg"
         residref="dc267e5a84837100030f6a7067006aad" rendition="rnd:highRes" size="1951322"
         contenttype="image/jpeg" format="frmt:JPEG_Baseline" width="3264" height="4896" orientation="2" />
        <remoteContent residref="dc26a37e84837100030f6a706700f47d"
         href="https://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Preview?format=jpeg"
         residref="dc26a37e84837100030f6a706700f47d" rendition="rnd:preview" contenttype="image/jpeg"
         format="frmt:JPEG_Baseline" width="341" height="512" />
        <remoteContent residref="dc26967b84837100030f6a7067001dfd"
         href="https://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Thumbnail?format=jpeg"
         residref="dc26967b84837100030f6a7067001dfd" rendition="rnd:thumbnail" contenttype="image/jpeg"
         format="frmt:JPEG_Baseline" width="85" height="128" />
      </contentSet>
    </newsItem>
```

ITEM RENDITION DOWNLOAD METHOD

⚠️ **Important**: This section is provided for reference purposes. Use the item rendition download links that are available in search results.

Description

Returns the specified rendition of a content item (for example, the high-resolution version of a photo) for the specified GUID.

Photos

RENDITION	DESCRIPTION	FORMAT
Main	A high-resolution version of the photo. **Note:** For royalty-free images, the largest image size available is returned.	JPEG
Preview	A low-resolution version of the photo (if available).	JPEG
Thumbnail	A small version of the image (if available).	JPEG

Graphics

RENDITION	DESCRIPTION	FORMAT
Main	Source graphic.	A variety of formats (for example, JPEG, PNG, Photoshop). To determine in which formats a graphic is available, see "Content Item Formats and Filenames" on page 28.
Preview	A low-resolution version of the graphic.	JPEG
Thumbnail	A small version of the image.	JPEG

Video

RENDITION	DESCRIPTION	FORMAT
Main	A high-resolution version of the video clip.	A variety of formats (for example, Windows Media, Flash, MPEG-2, 3GP, QuickTime), each at various quality levels. To determine available formats, see "Content Item Formats and Filenames" on page 28.
Preview	A low-resolution version of the video clip.	Flash or Windows Media
	An enlarged version of the image that captures the first frame of the video clip.	JPEG
Thumbnail	A small version of the image that captures the first frame of the video clip.	JPEG

Request

METHOD	REQUEST URI
GET	https://bapi.ap.org/{version}/item/{mediaType}/{id}/{rendition}?apiKey={apiKey}&format={format}[&filename={filename}]

Request URI Parameters

Required Parameters

PARAMETER	DESCRIPTION	VALID VALUES/EXAMPLES
version	The API version. Currently, the only valid value is v2.	v2
id	The GUID of a content item (not case-sensitive).	Any valid 32-character GUID of a content item
rendition	The content item rendition.	Main, Preview or Thumbnail
format *(required only if the Accept header value is not specified)*	The format of the returned content item data. The format can be specified either as one of the following: – The format MIME type in the request Accept header. – The format parameter value (takes precedence over the Accept header value). If no format is specified as the format parameter value or in the Accept header, an error is returned. To determine available formats, see "Content Item Formats and Filenames" on page 28.	– For AP Images content, including GraphicsBank: jpeg, png – For video: 3GPP, flv, mp4, mpeg, quicktime or x-ms-wmv

Recommended Parameter

⚠️ **Important**: It is strongly recommended to specify the mediaType parameter value in the item rendition download links. The download links in search results always contain the media type.

PARAMETER	DESCRIPTION	VALID VALUES
mediaType	The content media type. The default for AP Images (including all GraphicsBank content) is photo.	photo, graphic or video

Optional Parameter

PARAMETER	DESCRIPTION	VALID VALUES
filename	The filename for the downloaded content item rendition, in the format {ItemId}_{OriginalFilename}_{Width}x{Height}.{FileExtension}. ⚠️ **Important**: For GraphicsBank, this parameter must be specified to download each of the matte renditions of the graphic. The filename parameter value for a matte rendition is {ItemId}_{OriginalFilename}_{Width}x{Height}_matte.{FileExtension}. If the filename is not specified, the original (non-matte) rendition of the graphic is returned. The download links in search results always contain the filename.	See "Content Item Formats and Filenames" on page 28.

Request Headers (Optional)

HEADER	DESCRIPTION	EXAMPLES
Accept	The MIME type of the returned data format. To determine available formats, see "Content Item Formats and Filenames" on page 28.	– For AP Images content, including GraphicsBank: image/jpeg, image/png – For video: video/3GPP, application/flv, video/mp4, video/mpeg, video/quicktime or video/x-ms-wmv
Accept-Encoding	Compresses the response to the gzip format.	gzip

Content Item Formats and Filenames

To retrieve various content item renditions, you can use either the MIME type or the format of the content item located in the entry's <link> element in the search response. The filename that you can use to save the content item rendition is also included in the entry's <link> element.

- – The MIME type of a content item rendition is located in the "type" attribute of the <link> element (shown in `green` in the following example).

- – The format is located in value of the "href" attribute of the <link> element (shown in `yellow` in the example).

- – The filename is located at the end of the "href" attribute value (shown in `blue` in the example).

```
- <entry>
    <id>https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349</id>
    ...
    <title>Britain Mission Impossible Ghost Protocol</title>
    ...
    <link rel="main" href="https://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Main?format=jpeg
        &filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol
        _3264x4896.jpg" type="image/jpeg" title="Full-Resolution (JPG)" />
    <link rel="thumbnail" href="https://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Thumbnail
        ?format=jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol
        _85x128.jpg" type="image/jpeg" title="Thumbnail (JPG)" />
    <link rel="preview" href="https://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Preview
        ?format=jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol
        _341x512.jpg" type="image/jpeg" title="Preview (JPG)" />
    ...
  </entry>
```

Request URI Example

https://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Main?format=jpeg&filename=fedf6f
f0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_3264x4896.jpg&apiKey={apiKey}

Response

Returns the standard HTTP status code of "302 – Found" and redirects to the URL for the content item binary. For information about error codes, see "Error Codes" on page 29.

APPENDIX

ERROR CODES

In addition to the standard HTTP error codes, the error response includes an XML message in the following format:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<error>
  <code>HTTP error code</code>
  <message>Error message</message>
  <!-- Optional information about the specific error condition --!>
</error>
```

XML message example:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<error>
  <code>404</code>
  <message>The requested content item 74312a4943174baf114928ab0ec20b37 was not found</message>
  <link rel="help" href="https://developer.ap.org/api-console" />
</error>
```

CODE	MESSAGE	ACTION
400	Specified parameter {ParameterName} is invalid	If the issue is not described in the "Search and Metadata" section of the *AP Content API FAQs*, check the request syntax and parameters.
	Specified value for {ParameterName} {ParameterValue} is invalid	
	The request cannot be fulfilled due to bad syntax	
401	Invalid API Key	Check the API key. If you have just received your key, wait for a few hours and try again. If you are still getting an error, contact AP Customer Support at APCustomerSupport@ap.org.
	You do not have permission to download this content item	Refer to the "Downloads" section of the *AP Content API FAQs*.
403	Over queries per minute limit	Contact AP Customer Support at APCustomerSupport@ap.org.
	Over rate limit	
404	The requested content item {itemID} was not found	Refer to the "Downloads" section of the *AP Content API FAQs*.
405	Request method {MethodName} not supported	Check the request method. Currently, GET is the only supported HTTP method for Content API requests.
413	The request is larger than the server is willing or able to process	There are too many results; narrow your search criteria.
414	URI length exceeds 6000 characters	Make sure that your request is no longer than 6,000 characters.
500	Internal Server Error	
502	Bad Gateway	Contact AP Customer Support at APCustomerSupport@ap.org.
503	Service Unavailable	
504	Gateway Timeout	

TOP-LEVEL SUBJECT CATEGORIES

VALUE	ID (GUID)
Arts and entertainment	16cb0ba3e6d24d97ace39f5a1924669a
Business	c8e409f8858510048872ff2260dd383e
Environment and nature	8783d248894710048286ba0a2b2ca13e
Events	06a735407cb61004804eba7fa5283c3e
General news	f25af2d07e4e100484f5df092526b43e
Government and politics	86aad5207dac100488ecba7fa5283c3e
Health	cc7a76087e4e10048482df092526b43e
Lifestyle	3e37e4b87df7100483d5df092526b43e
Living things	6f072ea8b0064f3584c61e22f08836ee
Media	c188eb1088be10048dceb097165a0203
Obituaries	30c418e4b7644a9eb54409baf55036d1
Oddities	44811870882f10048079ae2ac3a6923e
Science	4bf76cb87df7100483dbdf092526b43e
Social affairs	75a42fd87df7100483eedf092526b43e
Sports	54df6c687df7100483dedf092526b43e
Technology	455ef2b87df7100483d8df092526b43e